

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AN 1988:78546 CAPLUS
DN 108:78546
TI Lubricating grease composition
IN Koizumi, Takehiro; Matsuzawa, Hideo; Tanaka, Tatsumitsu
PA Showa Shell Sekiyu K. K., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 62256893	A2	19871109	JP 1986-98172	19860430
PRAI	JP 1986-98172		19860430		

AB Thickeners for lubricating greases, present at 2-30 weight% (preferably 5-20 weight%) concentration, contain the reaction products of (a) a **monoamine** compound of formula R_1NH_2 (R_1 is an unsatd. or saturated C6-20 alkyl or C6-10 aryl); (b) a diisocyanate compound of formula $OCNR_2NCO$ (R_2 is a divalent C6-20 aryl); and (c) a diamine compound of formula $H_2NR_3NH_2$ (R_3 is a divalent C2-12 alkylene or C6-15 aryl). Thus, a mineral base oil was blended with 12 weight% of a thickener (prepared by reaction of oleyl amine 1.0, a 2,4- and 2,6-mixed tolylenediisocyanate 0.93, and ethylenediamine 0.44 mol) to obtain a lubricating grease having a dropping point of 262°, vs. 178° for a conventional thickener.